

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

XU et al

Application No.: 09/759,241

Artt Unit: Unassigned

Filed: January 16, 2001

Examiner: Unassigned

For: COMPOSITE
TEXTILE MATERIAL

CLAIMS PENDING AFTER PRELIMINARY AMENDMENT

1. A composite textile fabric comprising a generally uniformly integrated fabric layer including an inner exposed surface that is predominantly hydrophobic material and an outer surface that is predominantly hydrophilic material, whereby the fabric provides a one-way liquid transport system, transporting liquid away from the inner surface towards the outer surface.

2. The composite fabric according to Claim 1, in which the hydrophilic material is polypropylene.

3. The composite fabric according to Claim 1, in which the hydrophilic material is one of polyester and cotton.

4. A re-usable diaper comprising an inner layer of a fabric comprising a generally uniformly integrated fabric layer including an inner exposed surface that is predominantly hydrophobic material and an outer surface that is predominantly hydrophilic material, whereby the fabric provides a one-way liquid transport system, transporting liquid away from the inner surface towards the outer surface, a middle layer of a treated cotton fabric, and an outer layer of a waterproof material.

5. A diaper comprising an inner layer formed of the fabric comprising a generally uniformly integrated fabric layer including an inner exposed surface that is predominantly hydrophobic material and an outer surface that is predominantly hydrophilic material, whereby the fabric provides a one-way liquid transport system, transporting liquid away from the inner surface towards the outer surface, a middle layer of a disposable absorbent material, and an outer layer of a waterproof material.

6. Clothing including the composite textile fabric layer according to Claim 1.

7. An incontinence mattress cover including a composite textile fabric layer according to Claim I.

8. Clothing according to Claim 6 comprising boxer shorts.

9. Clothing according to Claim 6 comprising long pants.